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with a short account of forestry at home and abroad. It is beautifully illustrated with half-tone reproductions of photographs. It will be very helpful to forestry students.

CHARLES E. BESSEY.

THE UNIVERSITY OF NEBRASKA.

THE HARVEY SOCIETY OF NEW YORK CITY.

A NEW society called the Harvey Society, consisting of laboratory workers in New York City, has recently been established under the patronage of the New York Academy of Medicine. Its purpose is the diffusion of scientific knowledge in selected chapters of anatomy, physiology, bacteriology, pathology, pharmacology and physiological and pathological chemistry, by means of public lectures by men who are workers in the subjects presented.

Each lecture is intended to represent the state of modern knowledge concerning the topic treated and at the same time will be adapted for presentation before an audience consisting of that portion of the general medical profession who are interested in the scientific side of medicine.

It is hoped that through these lectures the common interests of research workers and the medical profession may be profitably cultivated. The fulfilment of the purposes of the society has been entrusted to the hands of the following committee:

Graham Lusk, *president*,
Simon Flexner, *vice-president*,
George B. Wallace, *secretary*,
Frederic S. Lee, *treasurer*,
Christian A. Herter,
S. J. Meltzer,
E. K. Dunham.

The members of the society consist of two classes, active and associate members. Active members are laboratory workers in the medical sciences residing in New York. Associate members are such persons as may be in sympathy with the objects of the society and reside in New York.

The first course of lectures will be given on Saturday evenings during the winter of the years 1905-1906 at the Academy of Medicine.

SCIENTIFIC NOTES AND NEWS.

THE Royal Society elected, on May 11, the following new fellows: John George Adami, professor of pathology, Montreal; William Arthur Bone, lecturer on chemistry, Manchester; John Edward Campbell, mathematical lecturer, Oxford; William Henry Dines, meteorologist, London; Captain Arthur Mostyn Field, R.N., hydrographer of the Navy, London; Martin Onslow Forster, assistant professor of chemistry, Royal College of Science, London; Edwin S. Goodrich, demonstrator of anatomy, Oxford; Frederick Gowland Hopkins, reader in chemical physiology, Cambridge; George William Lamplugh, district geologist on the Geological Survey, Ireland; Ernest William MacBride, professor of zoology, Montreal; Francis Wall Oliver, professor of botany, University College, London; Lieutenant-Colonel David Prain, I.M.S., superintendent of Royal Botanic Gardens, Calcutta; George F. C. Searle, senior demonstrator in Cavendish Laboratory, Cambridge; Hon. Robert John Strutt, fellow of Trinity College, Cambridge; Edmund Taylor Whittaker, mathematical lecturer of Trinity College, Cambridge.

DR. FRANZ BOAS has resigned from the curatorship of the anthropological department of the American Museum of Natural History. He will continue his connection with the museum, conducting the researches and publications of the Jesup North Pacific Expedition and of the East Asiatic Committee.

DR. ALLAN McLAUGHLIN has been appointed head surgeon of the Marine Hospital at Naples, in the service of the United States.

PROFESSOR JAMES H. TUFTS, of the University of Chicago, was elected president of the Western Philosophical Association at the meeting held at the University of Nebraska on April 21 and 22.

SIR WILLIAM DE W. ABNEY, K.C.B., Mr. Shelford Bidwell, Lord Alverstone, Dr. Ludwig Mond, Lord Rosse, Sir Thomas H. Sanderson, Sir James Crichton-Browne (treasurer), and Sir William Crookes (hon. secretary), have been nominated as vice-presidents of the Royal Institution, London.

THE Jacksonian prize of the Royal College of Surgeons of England has been presented to Mr. Herbert J. Paterson.

THE Hanbury gold medal of the Pharmaceutical Society, London, has this year been awarded to Professor Ernst Schmidt, professor of pharmaceutical chemistry in the University of Marburg.

DR. WILLIAM WELCH, professor of pathology at the Johns Hopkins University, sailed for England on May 27, to be absent until September.

DR. ERNEST W. BROWN, professor of mathematics, Haverford College, will be a member of the official party of the British Association for the South African meeting. He will be absent from Haverford from June 15 to October 30.

MR. A. PITTS MORSE, of the zoological department of Wellesley College, will this summer continue his researches on the North American Acridiidae. He will make a collecting tour through Alabama, Mississippi and Louisiana.

ROBERT KENNEDY DUNCAN, professor of chemistry in Washington and Jefferson College, has been granted a year's leave of absence in order to accept a commission from *Harper's Magazine* to spend a year in Europe in the study of the relations of chemistry to industry. Dr. Ralph Garrigue Wright will act as substitute during his absence.

PROFESSOR HECKER, who has been making observations for gravity in the Indian and Pacific oceans and at various coast stations, under the auspices of the International Geodetic Association, returned to Berlin about the middle of April. It is reported that satisfactory observations were obtained by him.

THE degree of doctor of science in botany has been conferred by the University of London on Miss Agnes Robertson for a thesis entitled 'Studies in the Morphology of *Torreya Californica*, Torrey,' and other papers.

AT a meeting of the Royal Geographical Society held on May 16 a paper, entitled 'Exploration and Survey with the Tibet

Frontier Commission, and from Gyangtse to Simla via Gar-tok,' was read by Major C. H. D. Ryder, R.E. Major Ryder was the officer in charge of the survey work carried out in connection with the British Mission to Lhasa, and for his services to geographical science has this year been awarded one of the society's highest honors, the patron's gold medal.

A PORTRAIT of Dr. Thomas Young has been presented to the Royal Institution, London, by Mrs. Barton.

SIR BERNHARD SAMUELSON, F.R.S., an iron manufacturer who was interested in technical education, died on May 10, in his eighty-fifth year.

LIEUTENANT-COLONEL L. H. L. IRBY, a British ornithologist, has died at the age of sixty-nine years.

THERE will be a civil service examination, on June 21, for the position of assistant in the Office of Seed and Plant Introduction, Department of Agriculture, at a salary of \$1,800.

GOVERNOR HIGGINS has signed the bill incorporating the Staten Island Association of Arts and Sciences, which thus becomes the successor to the Natural Science Association of Staten Island. The act authorizes the city to provide accommodation for the association in the new borough hall temporarily, to erect suitable buildings for a public library and museum and to contribute \$10,000 annually for maintenance.

THE California legislature has made an appropriation providing for the establishment of a laboratory and experimental station for the study of plant diseases in Southern California, the station to be conducted under the auspices of the Department of Agriculture of the University of California.

ARRANGEMENTS are now almost complete for the opening of a marine biological station at La Jolla, a suburb of San Diego, Cal., under the direction of Professor William E. Ritter, of the University of California. The laboratory will take the place of the one that has been conducted by Professor Ritter during the past year or two at Coronado Beach.

THE Biological Laboratory of the Bureau of Fisheries at Woods Hole, Mass., will open for the current season on or about June 15. Opportunities for research in the field of marine biology will, as usual, be furnished to a limited number of qualified investigators. Candidates for tables should send applications at an early date to the commissioner of fisheries, Washington, D. C., or to the director of the laboratory, Dr. F. B. Sumner, College of the City of New York, New York, N. Y. Applications from those who are not already known at the station should be accompanied by proper endorsements.

THE Georgian Bay Biological Station will be open from June 5 to September 5. The station is a summer laboratory, established in 1901 by the Dominion government in connection with the Department of Marine and Fisheries, for the investigation of problems in lacustrine biology. It is located at Go Home Bay, a small offshoot of the Georgian Bay, distant about twenty miles from the towns of Midland and Penetanguishene, and on the course of the Northern Navigation Company's steamboat line connecting Penetanguishene and Parry Sound. There is no charge to those wishing to work in the laboratory.

It is said that Mr. William Ziegler, who died on May 24, has provided in his will for the continuation of his Arctic explorations. It will be remembered that Mr. Anthony Fiala is now in the Arctic regions under Mr. Ziegler's auspices. He has not been heard from for two years, and two relief expeditions have now been sent.

THE American Mathematical Society will hold its twelfth summer meeting at Williams College, Williamstown, Mass., on September 7 and 8.

THE German Mathematical Society will hold its annual meeting at Meran, Tyrol, from September 24 to 30, under the presidency of Professor P. Stäckel, of the University at Kiel.

IN the spring of this year the International Geodetic Association set aside 80,000 Marks for the purpose of extending variation of latitude observations to the southern hemi-

sphere. The plans of the association are making good progress, and it is expected that the astronomers who will carry on the work will reach the points selected in November of this year. One of the observatories will be established near Cordova, Argentine Confederation, and the other near Perth, in Australia.

It was stated in the issue of SCIENCE, for April 21, that the New Mexico legislature had appropriated \$6,000 for a State Geological Survey to be spent under the direction of the New Mexican School of Mines at Socorro. We are informed that the only reference to such a survey occurs in the general appropriation bill and is as follows: 'For publication U. S. geological survey reports to be expended under the direction of the Socorro School of Mines, or so much thereof as may be necessary, \$2,500.'

A REUTER telegram from Berlin says that in the course of excavations in the neighborhood of Breslau 400 graves and 150 prehistoric dwelling places have been brought to light. The oldest of the graves contained bones dating from a period previous to the Bronze Age, and in another grave near by were found urns showing that they had contained bodies interred five centuries later. The excavators have been able to trace the site of a village of the bronze age. About a dozen huts are clearly recognizable. A whole collection of spinning and weaving appliances has also been dug up.

CONSUL-GENERAL RICHARD GUENTHER, of Frankfort, reports that the Associazione degli Industriali d' Italia, No. 61 Foro Bonaparte, Milan, Italy, invites inventors to compete for two prizes offered by it, as follows: First prize, \$1,600 and a gold medal, for a new method to prevent danger which may arise from the contact of high tension with low tension wrapping at electric rotary-current transformers; second prize, \$100 and a gold medal for a simple, strong, and reliable safety device for stopping cars running on an inclined plane in case of the breaking of the wire cable. The device must be capable of adjustment to the ordinary cable roads now in use.

THE Adams prize for 1906 is offered for an essay on 'The Inequalities of the Moon's Motion Due to the Direct Action of the Planets.' The prize, which is of the value of £225, is open to the competition of all persons who have at any time been admitted to a degree in the University of Cambridge.

THE Bureau of Forestry has published a circular giving information regarding employment on the national forest reserves. This circular explains how appointments to the Forest Service on the reserves are made, states the salaries of its members and indicates the knowledge and experience required of rangers and supervisors and the duties each must perform. The future organization will include forest supervisors at \$1,800 to \$2,500 a year, deputy forest supervisors at \$1,500 to \$1,700, forest rangers at \$1,200 to \$1,400, deputy forest rangers at \$1,000 to \$1,100 and assistant forest rangers at \$800 to \$900. The law requires that every applicant for a position in the Forest Service pass a civil service examination. Legal residence in the state or territory in which employment is desired is generally necessary, since only where examinations fail to secure thoroughly satisfactory men are vacancies filled by the examination of applicants from other states. Appointments of supervisors are made, so far as practicable, by promotion of competent rangers or forest assistants. To be eligible as forest ranger the applicant must be physically sound, accustomed to outdoor work, and know how to take care of himself and his horse in regions remote from settlement and supplies. He must know something of surveying, estimating and scaling timber, lumbering and the livestock business. Some of the reserves require a specialist in one or more of these lines of work. The applicant must be thoroughly familiar with the region in which he seeks employment. The entire time of rangers is to be given to the service. Rangers, under the direction of the forest supervisor, patrol to prevent fire and trespass; estimate, survey and mark timber and supervise its cutting; issue mining permits, build cabins and trails, enforce grazing restrictions, investigate claims and make arrests for violation of reserve laws.

Forest supervisors must have all the qualifications of rangers, combined with superior business and administrative ability. They deal with the public in all matters connected with the sale of timber, the control of grazing, the issuing of permits and the application of all regulations for the use and occupancy of forest reserves. Knowledge of technical forestry is desirable, but not essential.

UNIVERSITY AND EDUCATIONAL NEWS.

IT is announced that Harvard University has received an anonymous gift of \$100,000 for a museum of social ethics, and \$50,000 from Mr. Jacob H. Schiff, of New York, for explorations in Palestine.

THE Ontario government has announced a provisional grant of \$500,000 to the University of Toronto towards the proposed new buildings which, it is estimated, will cost \$1,600,000.

THE Drapers' Company has agreed to give £5,000 for a building for the department of agriculture at Cambridge, provided that an equal sum be raised by voluntary contribution.

A. S. MACKENZIE, A.B. (Dalhousie), Ph.D. (Johns Hopkins), professor of physics in Bryn Mawr College, has been appointed to the chair of physics in Dalhousie College.

DR. J. E. DUERDEN, of the University of Michigan, formerly curator of the museum, Jamaica, has been appointed professor of zoology, at the Rhodes University College, Grahamstown, Cape Colony, South Africa.

MR. L. R. WALDRON, assistant professor in the department of botany and zoology of the North Dakota Agricultural College has lately resigned to accept a position of superintendent of the Sub-Experiment Station located at Dickinson. Mr. W. B. Bell of the University of Iowa has been elected to fill the vacancy.

AUSTIN FLINT ROGERS, A.B. (Kansas), Ph.D. (Columbia), tutor in mineralogy in Columbia University, has been appointed assistant professor of mineralogy and petrography in Stanford University.

THE Board of Trinity College, Dublin, has founded a chair of education, and Mr. Edward P. Culverwell, fellow of Trinity College, has been elected to the professorship.